# LAND APPLICATION SITE GUERRY A. HIGGASON EXGAH 1-8 ESSEX COUNTY

## VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

#### PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

the event of a sale of one or identified in this agreement of	by either party or, with respe more parcels, until ownership	ct to those parcels that of all parcels changes. ch ownership has chan	ry A. เมื่อจุด ๖๗ referred to ". This agreement remains in ef are retained by the Landowner i If ownership of individual parce ged will no longer be authorized	in els
Landowner: The Landowner is the owner agricultural, silvicultural or redocumentation identifying ow	clamation sites identified belo	located in <u>ESSEX</u> w in Table 1 and identif	<u>Co</u> Virginia, which includes ( fied on the tax map(s) with count	the ity
Table 1.: Parcels auth	norized to receive biosolids, w	vater treatment residual	s or other industrial sludges	
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	
TM 41 Parcel 12,13		-		
Check one: The Lar The Lar The Lar In the event that the Landowr within 38 months of the latest 1. Notify the purchaser than the date of the p. 2. Notify the Permittee of the Landowner has no other notify the Permittee immediate.	t date of biosolids application, or transferee of the applicable property transfer; and of the sale within two weeks for agreements for land applicated tely if conditions change such	the properties identified ners of the properties in the property to which the Landowner shall: a public access and croplowing property transform on the fields are no local that the fields are no local ners of the control of the con	herein. dentified herein. ch biosolids have been applied p management restrictions no la	for
agricultural sites identified ab inspections on the land identi purpose of determining comp	fied above, before, during or a liance with regulatory require	ndowner also grants pe after land application of ments applicable to suc I processing waste	ermission for DEQ staff to conduct formitted residuals for the	ıct
* I certify that I am a responsible proprietorship, LLC, municipality,	Phone No. 804 - 3 co sign for the landowner as indicate e official [or officer] authorized to a	ld School Rd. hurch, Va. 23148 66-0085 ed by my title as executor, Ti		
Permittee:				

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed nam	ie	Mailing Address	Permittee- Authorized Representative
L.	Susan Trumbo	PO Box 562, Remington Virginia 22734	Signatur
Title	Technical Manager	Phone No. 540-547-3300	5 Mucho

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Permittee: Recyc Systems, Inc County or City:	Essex Co.
Landowner: Guerry Arthiggson	
Landowner Site Management Requirements:	
${\mathfrak l},$ the Landowner, ${\mathfrak l}$ have received a DEQ Biosolids Fact Sheet that includes inform land application of biosolids, the components of biosolids and proper handling and	
I have also been expressly advised by the Permittee that the site management requidentified below must be complied with after biosolids have been applied on my prothat I am responsible for the implementation of these practices.	
I agree to implement the following site management practices at each site under m of biosolids at the site:	y ownership following the land application
<ol> <li>Notification Signs: I will not remove any signs posted by the Permittee for the biosolids land application site, unless requested by the Permittee, until at less site is completed.</li> </ol>	
<ul> <li>2. Public Access</li> <li>a. Public access to land with a high potential for public exposure shall following any application of biosolids.</li> <li>b. Public access to land with a low potential for public exposure shall any application of biosolids. No biosolids amended soil shall be exthis same period of time unless adequate provisions are made to p aerosols;</li> <li>c. Turf grown on land where biosolids are applied shall not be harves biosolids when the harvested turf is placed on either land with a higher attention are sided by DECO.</li> </ul>	be restricted for at least 30 days following cavated or removed from the site during revent public exposure to soil, dusts or ted for one year after application of
unless otherwise specified by DEQ.  3. Crop Restrictions:  a. Food crops with harvested parts that touch the biosolids/soil mixtur shall not be harvested for 14 months after the application of biosolid b. Food crops with harvested parts below the surface of the land shall application of biosolids when the biosolids remain on the land surface months prior to incorporation into the soil,  c. Food crops with harvested parts below the surface of the land shall biosolids remain on the land surface for a time period of less than find. Other food crops and fiber crops shall not be harvested for 30 days after the application dairy animals).	ds. I not be harvested for 20 months after the ace for a time period of four (4) or more I not be harvested for 38 months when the our (4) months prior to incorporation. I after the application of biosolids;
<ul> <li>4. Livestock Access Restrictions:</li> <li>Following biosolids application to pasture or hayland sites:</li> <li>a. Meat producing livestock shall not be grazed for 30 days,</li> <li>b. Lactating dairy animals shall not be grazed for a minimum of 60 da</li> <li>c. Other animals shall be restricted from grazing for 30 days;</li> </ul>	ys.
5 Supplemental commercial fertilizer or manure applications will be coordinated residuals applications such that the total crop needs for nutrients are not excommanagement plan developed by a person certified in accordance with §10.1	ceeded as identified in the nutrient
<ol> <li>Tobacco, because it has been shown to accumulate cadmium, should not be years following the application of biosolids or industrial residuals which bear pounds/acre (0.5 kilograms/hectare).</li> </ol>	
Hum becas-in	8-20-18
Clandowner Signature	Date
Hum Sciam St. Stephens Church, Va	hool Road 23.148
Operator's Signature mailing address & phone	Date

# **FARM DATA SHEET**

			-::-::-:
SITE NAME:	Guerry A. Higgason	COUNTY:	Essex
OWNER:	Guerry A. Higgason	OPERATOR:	Guerry Higgason Robert P. Longest
OWNER'S	775 Smithfield School Rd.	OPERATOR'S	Robert P. Longest 690 Canterbury Rd.
ADDRESS:	St. Stephens Church, VA 23148	ADDRESS:	St. Stephens Church, VA 23148
OWNER'S TELEPHONE:	804-366-0085	OPERATOR'S TELEPHONE:	-
GENERAL FARM TYPE:	Row Crops/ Hay	CELL PHONE:	804-445-5466
# CATTLE:	100 Alpaca	EMAIL:	-
LAGOON or SLURRY:	None	LATITUDE:	37.864
TOPO QUAD:	Aylett	LONGITUDE:	77.012
COMMENTS:		METHOD OF DETERMINATION:	Online Maps
Field #6 has been	cleared.		
Field #8 to be clea	red in the near future.		
Guerry Higgason I	Farms Fields #5-7.		
Robert P. Longest	Farms Fields #1-4.		
			SD份

# RECYC SYSTEMS, INC FIELD DATA SHEET

Field	DEQ	Gross	Environr	nentally S	ensitive	Soils		Tax	FSA
Identification	Control ID	Acres	Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood	Hydro Map	Мар#	Tract #
EXGAH 1	51057-00020-0000	10.0				4	RA 61	41-12	T 2044 F 1, 8, 12
EXGAH 2	51057-00021-0000	7.4	-	-	-	.2	RA 61	41-12	T 2044 F 3
EXGAH 3	51057-00022-0000	19.3	20D NovApr.	1	4	-	RA 61	41-12	T 2044 F 5
EXGAH 4	51057-00023-0000	8.7	-	4.	-	-	RA 61	41-12	T 2044 F 2, 4
EXGAH 5	51057-00024-0000	8.4	- 20			-	RA 61	41-13	T 2043 F 6
EXGAH 6		6.0	20D NovApr.	-	_	-	RA 61	41-12 41-13	T 2044 F 0
EXGAH 7		6.3	-	-	-	-	RA 61	41-13	T 2043 F 3
EXGAH 8		16.5	20D NovApr.				RA 61	41-12	T 2044 F 0
TOTAL ACRES IN SITE		82.6							

### Guerry A Higgason November 19, 2018

Fields EXGAH 6, EXGAH 7, and EXGAH 8 are new fields

#### Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Recyc Systems, Inc Site Name: Guerry A. Higgason

County or City: <u>Essex Co.</u>

Please Print

Signature not required on this page

Tax Parcel ID(s)	Landowners (s)
	<u></u>
41-12	Guerry A. Higgason
41-13	Guerry A. Higgason
1	

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Report Number: 14-098-1014 Account Number: 70594



### A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower: GARY HIGGASON ESSEX CO Submitted By: NED UPSHAW

Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 04/08/2014

Date Of Analysis: 04/09/2014

Date Of Report: 04/09/2014

		Or	ganic M	atter		Phos	phorus		Pot	assium	Mag	nesium	Cal	lcium	Sodium	p	Н	Acidity	C.E.C
Sample ID Field ID	Lab Number	%	Rate	ENR lbs/A	Meh ppm	ilich 3 Rate	!	erve Rate	ppm	K Rate	ppm	Mg Rate	ppm	Ca Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	23244	1.4	Ł	71	122	VH			63	L	50	L	829	н		6.8		0.1	4.9
2	23246	1.3	L	70	120	VH			45	L	48	L	684	VH		6.9		0.1	4.0
3	23247	1.9	L	80	114	VH			96	М	68	L	963	н		6.7		0.3	5.9
4	23248	1.9	L	81	101	VH			57	L	84	М	815	Н	-	6.8		0.1	5.1
5	23249	1.4	L	73	82	Н			51	L	108	VH	441	М		6.6		0.2	3.4

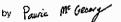
	1																							
		Perce	nt Base	Saturati	on	Niti	rate	Şu	lfur	Zi	nc	Mang	anese	lre	on	Сор	per	Во	ron	Soluble	Salts	Chle	oride	Aluminum
Sample ID Field ID	к	Mg	Ca	Na	н	NC	) <sub>3</sub> N	;	S	Z	'n	М	in	F	e	С	u	E	3	SS	3	(	CI	Al
11012115	%	%	%	%	%	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ms/cm	Rate	ppm	Rate	ppm
1	3.3	8.5	84.6	1	2.9																			
2	2.9	10.0	85.5		1.4			!																
3	4.2	9.6	81.6		4.5		•																	
4	2.9	13.7	79.9		2.9																			
5	3.8	26.5	64.9		6.0		<del></del> ., -																	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm  $\times$  2 = lbs/A, Soluble Salts ms/cm  $\times$  640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after lesting.

Analysis prepared by: A&L Eastern Laboratories, Inc.



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Report Number: 14-098-1014 Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO **CULPEPER VA 22701**  Grower: **GARY HIGGASON** 

ESSEX CO

Submitted By: NED UPSHAW

Farm ID:

8455 WHITESHOP RD

**SOIL ANALYSIS REPORT** 

Analytical Method(s):

Mehlich 3

Date Received: 04/08/2014

Date Of Analysis: 04/09/2014

Date Of Report: 04/09/2014

		Or	ganic Ma	itter		Phos	phorus		Pota	ssium	Mag	nesium	Cal	cium	Sodium	1	p	Н	Acidity	C.E.C
Sample ID	Sample ID Lab Field ID Number	%	Rate	ENR	Meh	lich 3	Res	erve		K		Mg	-	a:	Na		Soil	Buffer	Н	
Field ID	Rulliber	70	nate	lbs/A	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm R	tate	рН	index	meq/100g	meq/100g
5B	23250	1.6	L	77	82	Н			62	L	106	VH	368	М			6.4	6.90	0.3	3.2

		Percei	nt Base	Saturation	on	Nitr	ate	Su	lfur	Zii	nc	Mang	anese	Ir	on	Cop	per	Bor	ron	Soluble	Salts	Chle	oride	Aluminum
Sample ID	ĸ	Mg	Ca	Na	Н	NO	, N	,	S	Z	n	М	n	F	е	C	u	В	3	SS	}	(	ci j	Al
Field ID	%	%	%	%	%	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ms/cm	Rate	ppm	Rate	ppm
5B	5.0	27.6	57.5		8.8		•		•				_											

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High), ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric Mª George

Pauric McGroary

#### THE PLANNER IS NOT STATE CERTIFIED

#### Nutrient Management Plan Balance Sheet (Fall, 2018-Winter, 2020) Guerry A. Higgason Planner: John Doe

Tract: 2043

Location: Essex

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

(N = N Dased, IP = P	pased,	1-2P = 1	P based at 1.5 remov	al UP = NO P al	iowea)								
Field	Size	Yr.	Crop	Needs	Leg	Manure/Biosld	IT.	Man/Bios	Net = Needs -	Sum	Commercial	Notes	
CFSA No.	(ac)			N-P-K	/Man	Rate & Type	(d)	N-P-K	appld N-P-K	Р	N-P-K		1
/Name	Total/			(lbs/ac)	Resid	(season)		(lbs/ac)	(lbs/ac)	rem	(lbs/ac)		1
	Used							<u> </u>		cred			
6/EXGAH 5(N)	8/8	2018	Fescue grass hay	70-40-120	0/0				70-40-120	N/A			
			mt.				<u> </u>						
3/EXGAH 7(N)	6/6	2018	Fescue grass hay	70-50-95	0/0				70-50-95	N/A		-	
			mt.										l

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 2044 Location: Essex

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	(d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, 8, 12/EXGAH 1(N)	10/10	2018	Wheat (grain)	100-20-80	20/0				80-20-80	N/A			
3/EXGAH 2(N)	7/7		Wheat (grain)	100-20-80	20/0				80-20-80	N/A			
5/EXGAH 3(N)	19/19	2018	Wheat (grain)	100-20-60	0/0				100-20-60	N/A		-	
2, 4/EXGAH 4(N)	9/9	2018	Fescue grass hay mt.	70-40-110	0/0				70-40-110	N/A			
0/EXGAH 6(N)	6/6	2018	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			
0/EXGAH 8(N)	17/17	2018	Fescue hay estb.	40-130-130	0/0				40-130-130	N/A			
			Fescue grass hay mt.	70-50-95	0/0				70-180-225	N/A			
		2020	inchie m	70-50-95	0/0				70-230-320	N/A			

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Notes:

#### Soil Test Summary

Tract	Field	Acre	Date	P2O5	K20	Lab	Soil pH	Lime Date	rec. lime tons/Ac
2043	EXGAH 5	8	2014-Sp	H (82 P ppm)	L+ (51 K ppm)	A&L MIII	6.6	_	
2043	EXGAH 7	6	[No Test]						
2044	EXGAH 1	10	-	H+ (122 P ppm)	M- (63 K ppm)	A&L MIII	6.8		
2044	EXGAH 2	7	2014-Sp	H+ (120 P ppm)	L+ (45 K ppm)	A&L MIII	6.9		
2044	EXGAH 3	19	2014-Sp	H+ (114 P ppm)	M (96 K ppm)	A&L MIII	6.7		
2044	EXGAH 4	9	2014-Sp	H (101 P ppm)	M- (57 K ppm)	A&L MIII	6.8		
2044	EXGAH 6	6	[No Test]						
2044	EXGAH 8	17	[No Test]						

#### Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
2043	2043/6	EXGAH 5	8	Suffolk	IIIb	ÌII —	Not Suited	lli .	
	2043/3	EXGAH 7	6	Suffolk	IIIb	II	Not Suited	111	
2044	2044/1, 8, 1	EXGAH 1	10	Suffolk	IIIb	II .	Not Suited	111	
	2044/3	EXGAH 2	7	Suffolk	IIIb	[I	Not Suited	III	
	2044/5	EXGAH 3	19	Kempsville	Illa	II	Not Suited	Ш	
	2044/2, 4	EXGAH 4	9	Suffolk	IIIb	11	Not Suited	Ш	
	2044/0	EXGAH 6	6	Suffolk	IIIb	II	Not Suited	Ш	
	2044/0	EXGAH 8*	17	Rumford	lVb	Ш	Not Suited	Ш	High Leaching, High Slope

<sup>\*</sup> Do not apply manure or biosolids more than 30 days prior to planting. Apply commercial fertilizer nitrogen to row crops in split spring applicaions.

#### Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre	
1	>170	>80	>64	>6	>4.0	
II	150-170	70-80	56-64	4-6	3.5-4.0	
III	130-150	60-70	48-56	<4	3.0-3.5	
IV	100-130	50-60	40-48	NA	<3.0	
V	<100	<50	<40	NA	NA	

#### Farm Summary Report

Plan: New Plan Fall, 2018 - Winter, 2020

Farm Name: Guerry A. Higgason

Location: Essex
Specialist: John Doe
N-based Acres: 82.6
P-based Acres: 0.0

**Tract Name:** 2043 FSA Number: 2043

Location: Essex

Field Name: EXGAH 5

Total Acres: 8.40 Usable Acres: 8.40

FSA Number: 6 Tract: 2043

Location: Essex

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Sp-2014 6.6 H(82 P ppm) L+(51 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIEŞ

100 23B Suffolk

Field Warnings:

Field Name: EXGAH 7

Total Acres: 6.30 Usable Acres: 6.30

FSA Number: 3 Tract: 2043

Location: Essex

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

100 23B Suffolk

Field Warnings:

**Tract Name:** 2044 FSA Number: 2044

Location: Essex

Field Name: EXGAH 1

Total Acres: 10.00 Usable Acres: 10.00

FSA Number: 1, 8, 12

Tract: 2044

Location: Essex

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Sp-2014 6.8 H+(122 P ppm) M-(63 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

16 9C Emporia 84 23B Suffolk

Field Warnings:

Field Name: EXGAH 2

Total Acres: 7.40 Usable Acres: 7.40

FSA Number: 3 Tract: 2044

Location: Essex

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab Sp-2014 6.9 H+(120 P ppm) L+(45 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

76 23B Suffolk 24 9C Emporia

#### Field Warnings:

Field Name: EXGAH 3

Total Acres: 19.30 Usable Acres: 19.30

FSA Number: 5 Tract: 2044

Location: Essex

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

#### Soil Test Results:

DATE PH P K Lab Sp-2014 6.7 H+(114 P ppm) M(96 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES 57 10B Kempsville

13 10C Kempsville 2 20D Rumford Slagle

28 23B Suffolk

#### Field Warnings:

Field Name: EXGAH 4

Total Acres: 8.70 Usable Acres: 8.70

FSA Number: 2, 4 Tract: 2044

Location: Essex

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Sp-2014 6.8 H(101 P ppm) M-(57 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

94 23B Suffolk 6 9C Emporia

Field Warnings:

Field Name: EXGAH 6

Total Acres: 6.00 Usable Acres: 6.00

FSA Number: 0 Tract: 2044

Location: Essex

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

68 23B Suffolk

15 20D Rumford Slagle17 10C Kempsville

#### Field Warnings:

Field Name: EXGAH 8

Total Acres: 16.50 Usable Acres: 16.50

FSA Number: 0 Tract: 2044

Location: Essex

Slope Class: D Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

#### Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES
78 20D Rumford Slagle
13 10C Kempsville
9 10B Kempsville

#### Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

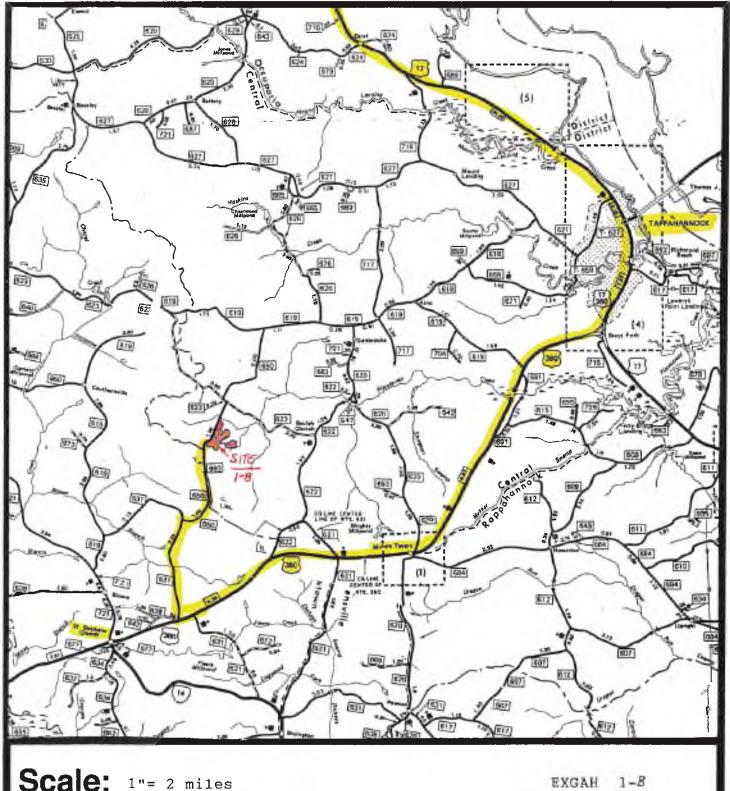
Soils with perent slope in excess of 15%

# M P

# Recyc Systems Inc.

(Biosolids Land Application)





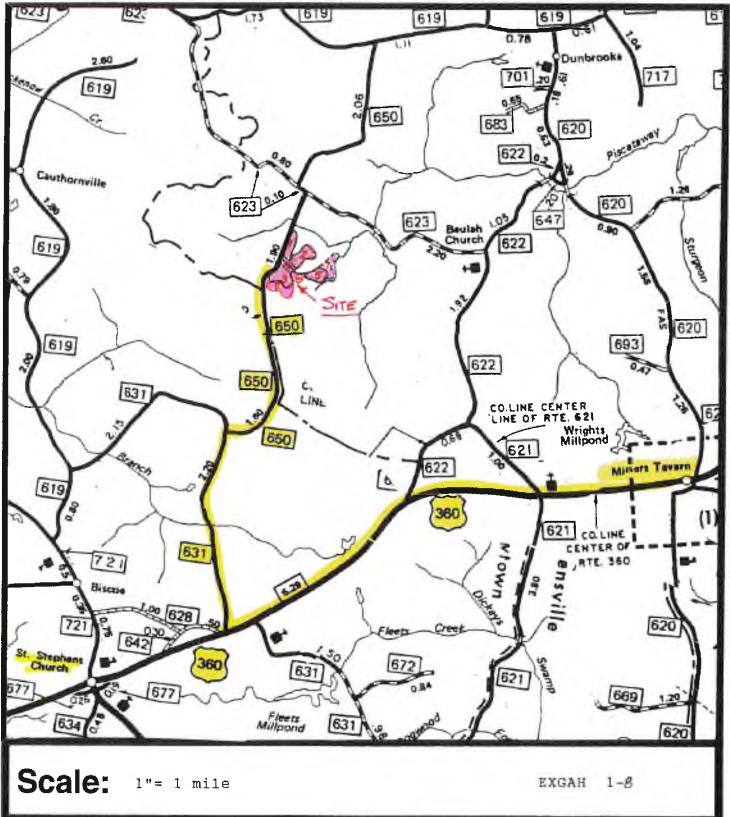
10-9-18

**VICINITY MAP** 

# Recyc Systems.

(Biosolids Land Application)

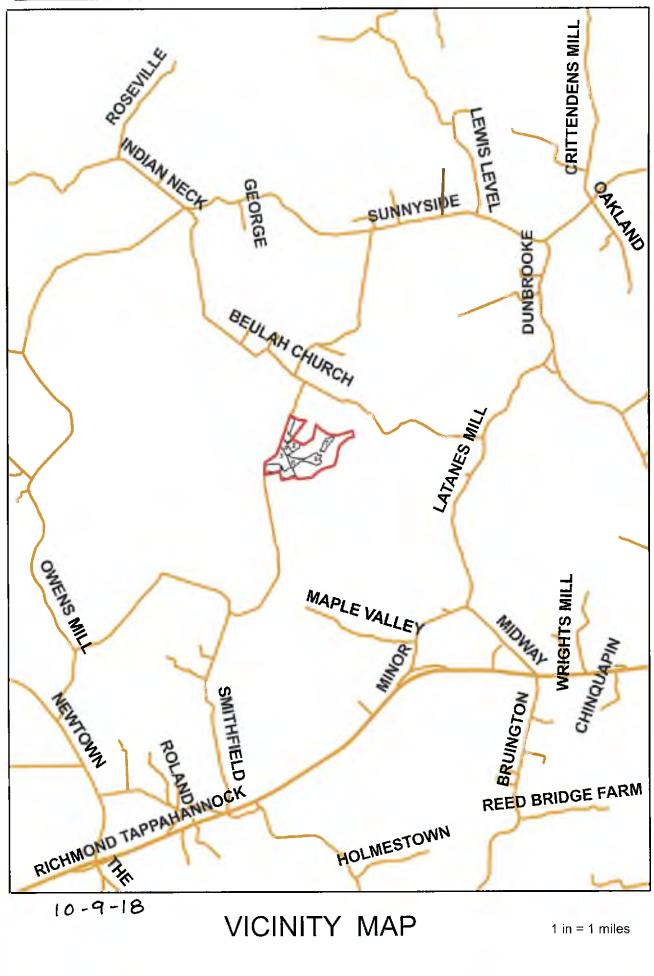




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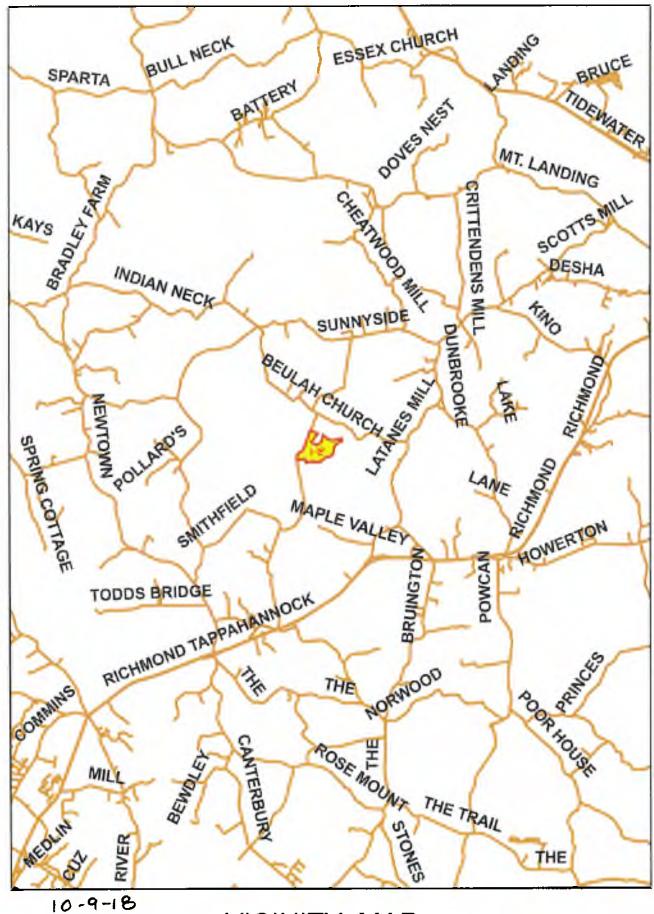
**VICINITY MAP** 







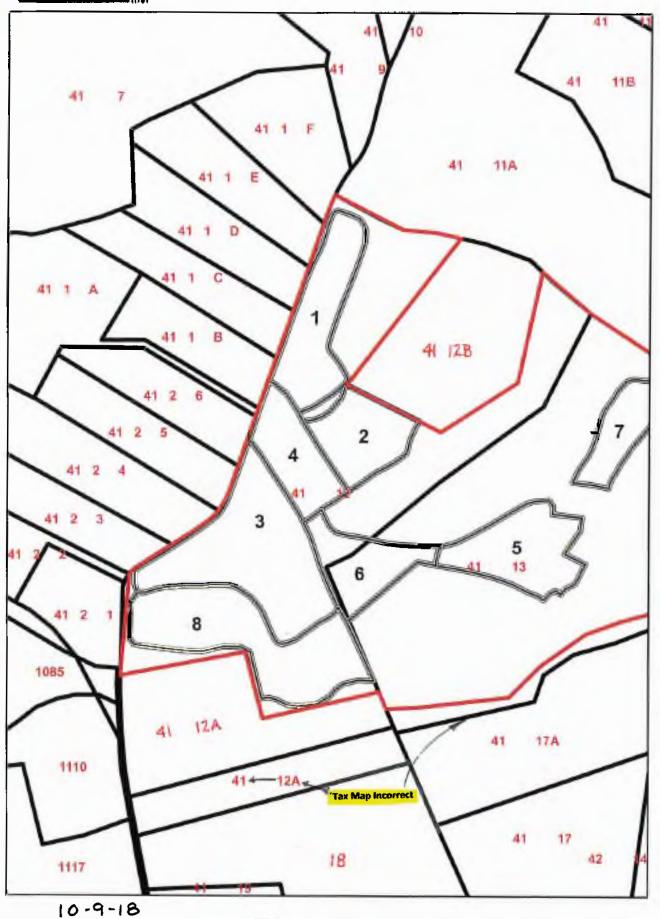








#### **GUERRY HIGGASON**



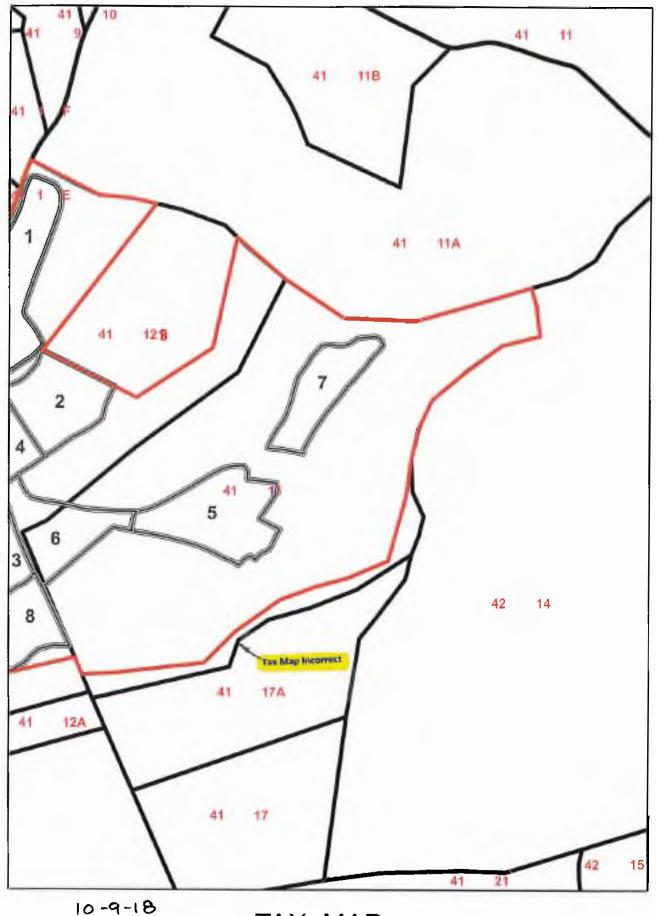


TAX MAP

1 in = 660 feet



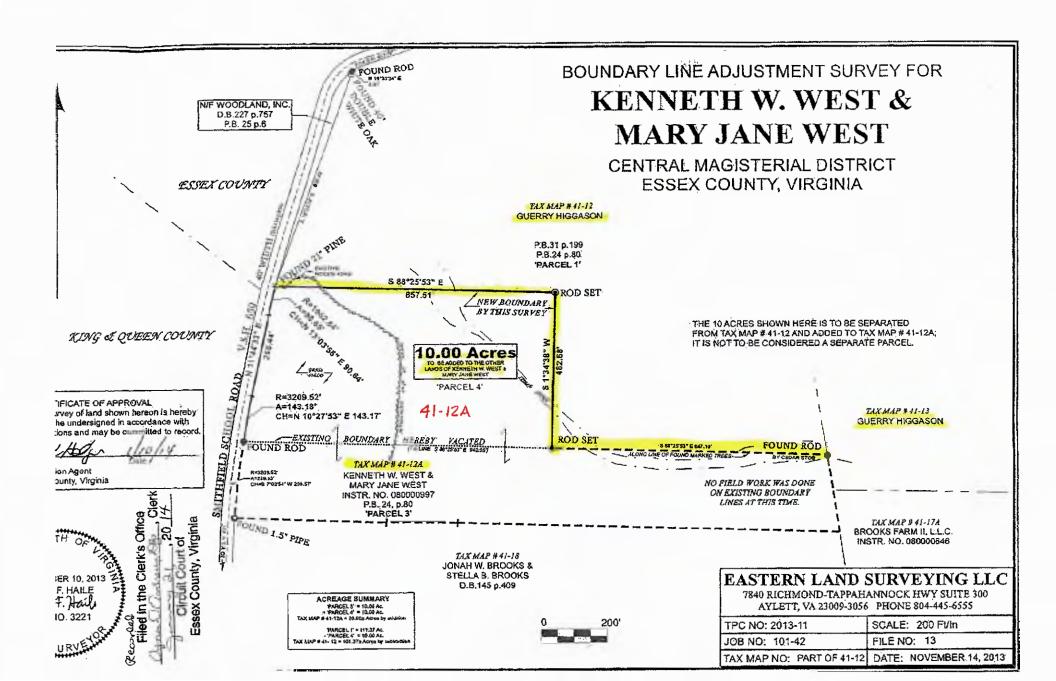


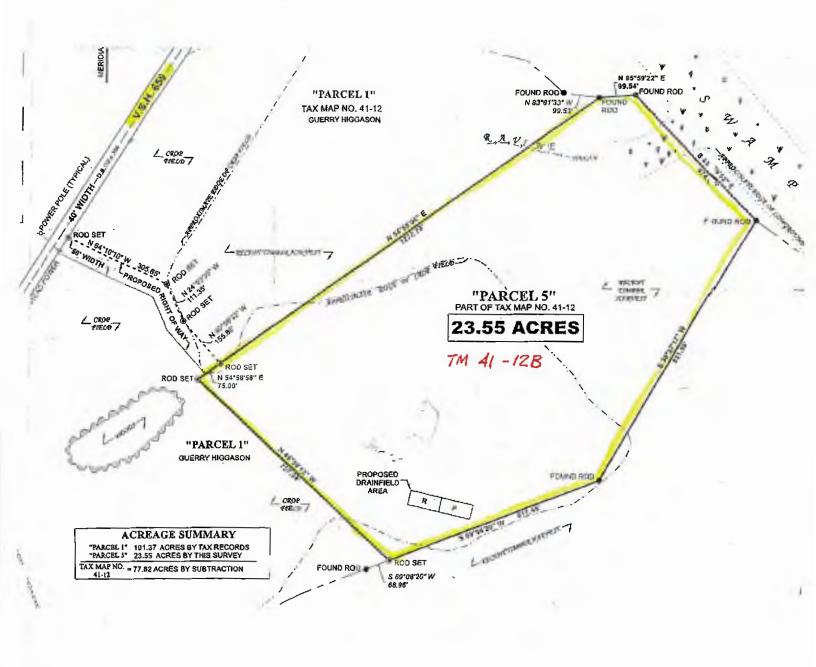




TAX MAP

1 in = 660 feet





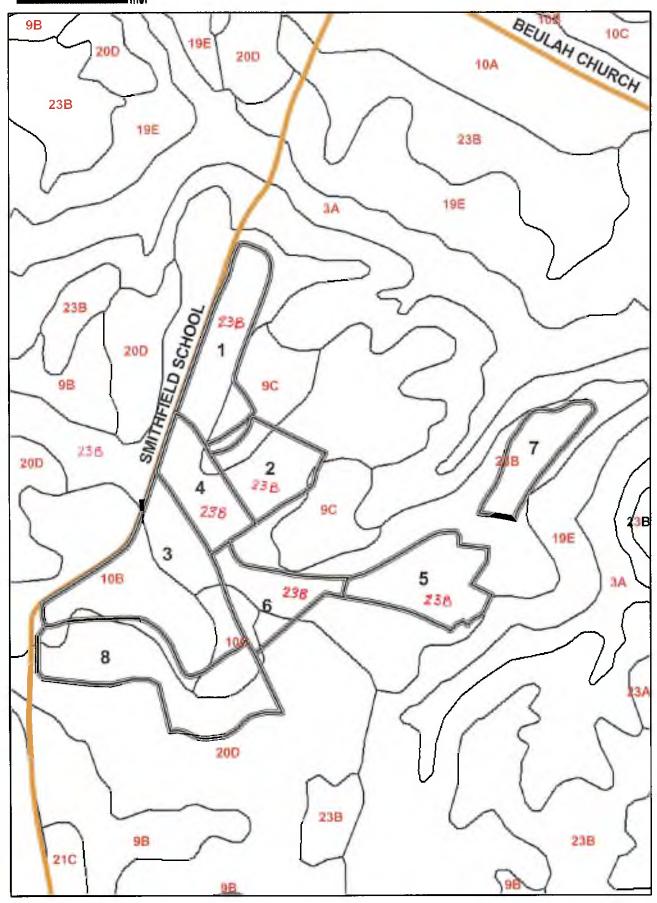
# **ADJOINING LANDOWNERS**

# Guerry A. Higgason

## **ESSEX COUNTY**

Tax Map	Parcel #	Owner Name(s)			
41	9	Jamestown Forestlands LLC			
•	11A	Brooks Farm LLC			
	12A	Kenneth W. West			
	12B	Glen Wayne Kirby			
	17A	Brooks Farm LLC			
	18	Jonah W. Brooks et. ux.			
41-1	A	William D. Smith			
	В	Linwood J. Health			
	C	Yvonne Thomas Burrell			
	D	Thomas Gallaway, Jr.			
	E	Joseph W. Krevonick			
	F	Arden Jurista			
41-2	1	Richard William Messinger			
i i	2	Wayne D. Miles, Jr.			
	3	John E. Pullin			
	4	James A. Perry			
	5	Robert M. Sydnor			
	6	Samantha Downing			
42	14	Arthur Temple III Estate			
KING & QUEEN COUNTY					
32-57L	1118	John W. Wilson			
	1118B	John W. Wilson			
	1124A	John W. Wilson			

#### **GUERRY HIGGASON**





SOIL MAP

1 in = 660 feet









10-9-18

**Essex County, Virginia** 

**Tract 2044** 

Farm 2845



2018 Program Year

Map Created May 15, 2018

#### Common Land Unit

/ Non-Cropland Cropland rcl\_I\_va057

Tract Boundary

# NAIP\USDA\_CONUS\_PRIME RGB

Red: Band\_1
Green: Band\_2

Blue: Band\_3

# Wetland Determination Identifiers

Restricted Use

∇ Limited Restrictions

Exempt from Conservation Compliance Provisions

Tract Cropland Total: 42.94 acres

**Essex County, Virginia** 

**Tract 2043** 

Farm 2868

2018 Program Year Map Created May 15, 2018 UHEL Common Land Unit //Non-Cropland Cropland rcl i va057 Tract Boundary NAIP\USDA\_CONUS\_PRIME **RGB** Red: Band 1 Green: Band 2 Blue: Band\_3 **Wetland Determination Identifiers**  Restricted Use V Limited Restrictions Exempt from Conservation Compliance Provisions Tract Cropland Total: 14.71 acres

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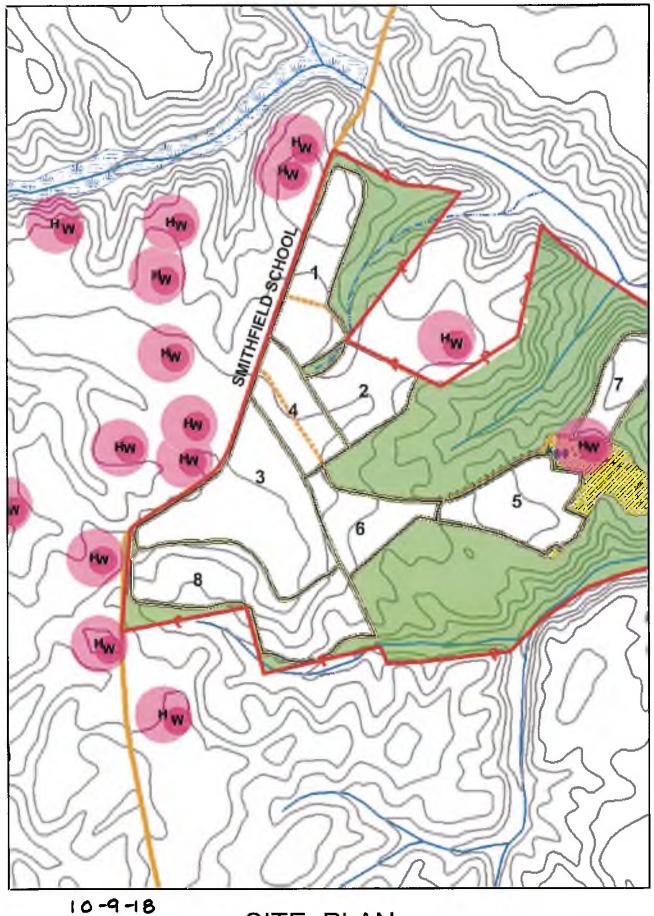


### **Legend For Site Plan**

Symbol	Feature	Minimum Setback		
400	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or sprin		
w s	Well or Spring	100 feet from water supply wells or springs		
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer		
ш	Wet Spot			
	Trees and Woods			
	Private Drive			
R	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops		
Ξ	Severely Eroded Spot	18 Inch minimum depth of soil		
	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes		
	State Road	10 feet from side of roadway		
	Fence / Field Boundary			
_P _ P _ P	Property Line	100 feet from property line *		
SL S	Slope	15% maximum		
	Hashed out Area	No application		

<sup>\*</sup>Buffer can be reduced or waived upon written consent from landowner.

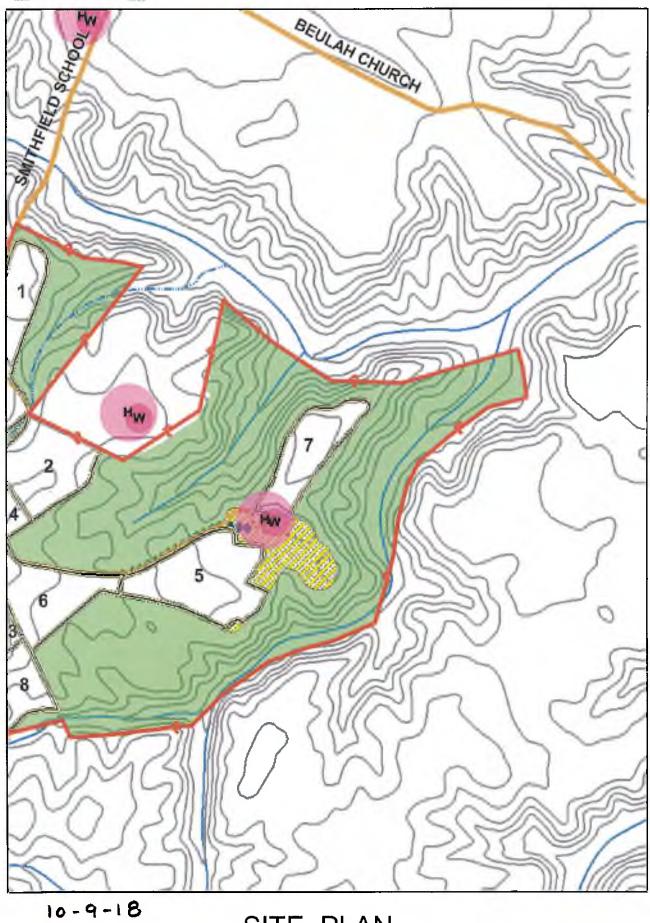






SITE PLAN

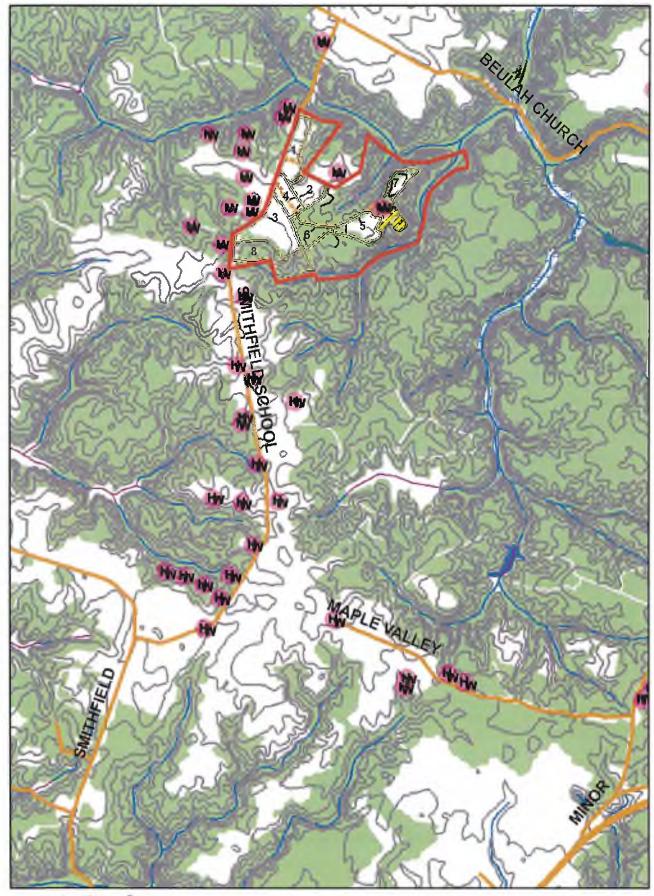






SITE PLAN







10-9-18